CIS - Information Technology  [Fall 2019 Catalog]

Requisites & Prerequisites - (5)
(15 cr. hrs.)

- Arrows indicate prerequisite course(s).
- All courses are 3 credit hours unless otherwise indicated.
- Shaded courses are Computing common core courses.
- Rounded corner courses are taught by other departments.
- 54 = upper level hours and 120 = total hours are required for graduation.
- Pattern of typical offering: F=Fall, S=Spring, Su=Summer (subject to change).
- Exit Requirement: Must give two spoken presentations in 3XXX or 4XXX Computing courses.

Common Core & Major Requirements - (14)
(42 cr. hrs.)

COP 2220 Programming I (F, S, Su)

- MAC 1105 College Algebra (or MAC 1147 PreCalc)
- STA 2023 Intro Statistics for Business
- SPC Speech or Public Speaking

- MAC 1101 or (MAC 1105 or MAC 1147)

CIS 3526 IT Project Management (F)

CIS 3253 Legal & Ethical Issues in Comp (F, S, Su)

COP 3503 Programming II (F, S, Su)

COT 3100 Computational Structures (F, S, Su)

COP 3530 Data Structures (F, S, Su)

COP 4640 Op System Environments (F)

COP 3703 Intro to Databases (F, S, Su)

CNT 4504 Computer Networks (F, S, Su)

CIS 4360 Intro to Comp Security (S)

CIS 4350 Intro to Systems Admin (S)

CNT 4406 Network Security & Mgmt (S)

CEN 4083 Intro to Cloud Computing (S)

CIS 4364 Intrusion Detection (S)

CIS 4366 Computer Forensics (F)

Major Electives (3)
(9 cr. hrs.)

- Select 9 credits of the following:
- Any 3XXX or 4XXX CAPI/CD/A/CEN/CIS/CNT/COP/COT
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2018-07-25
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- Requisites & Prerequisites – (5) (15 credit hours)
- All courses are 3 credit hours unless otherwise indicated
- 54 upper level hours and 120 total hours are required for graduation
- Exit Requirement: Must give two spoken presentations in 3XXX or 4XXX Computing courses.

- Speech or Public Speaking (SPC prefix); taught by another department
- MAC2233 Calculus for Business; taught by another department; Prerequisites: MAC1105 or MAC1147
- STA2023 Intro to Stats for Business; taught by another department; Prerequisites: MAC1105 or MAC1147
- CGS1100 Computer Aps for Business; fall, spring and summer
- COP2220 Programming I; fall, spring and summer
- CIS3526 IT Project Management; fall; Prerequisites: COP2220 Programming I
- COT3100 Computational Structures; fall, spring and summer; Computing Common Core; Prerequisites: MAC1101 or MAC1105 or MAC1147
- CIS3253 Legal & Ethical Issues in Computing; fall, spring and summer; Computing Common Core; Prerequisites: COP2220 Programming I
- COP3503 Programming II; fall, spring and summer; Computing Common Core; Prerequisites: COP2220 Programming I
- COP3530 Data Structures; fall, spring and summer; Computing Common Core; Prerequisites: COT3100 Computational Structures and COP3503 Programming II
- CNT4504 Computer Networks; fall, spring and summer; Computing Common Core; Prerequisites: COP3503 Programming II
- COP3703 Intro to Databases; fall, spring and summer; Computing Common Core; Prerequisites: COP3503 Programming II
- COP4640 OP System Environments; fall; Prerequisites: COP3503 Programming II
- CIS4360 Intro to Comp Security; spring; Prerequisites: COP3503 Programming II
- CIS4365 Intro to Systems Admin; spring; Prerequisites: CNT4504 Computer Networks and COP4640 Op System Environments
- CNT4406 Network Security & Mgmt; spring; Prerequisites: CNT4504 Computer Networks
- CEN4083 Intro to Cloud Computing; spring; Prerequisites: CNT4504 Computer Networks
- CIS4364 Intrusion Detection; fall; Prerequisites: CNT4504 Computer Networks and CIS4360 Intro to Comp Security
- CIS4366 Computer Forensics; fall; Prerequisites: CIS4360 Intro to Comp Security
- Electives: Any 9 credits at the 3XXX or 4XXX level with the following prefixes: CAP, CDA, CEN, CIS, CNT, COP or COT